

5 WHAT IS CLAIMED:

1. A replendam, comprising:
 a first reticulated wall having a perimeter;
 a second reticulated wall disposed about at least a
10 portion of the perimeter of the first reticulated wall,
 the second reticulated wall having a plurality of vanes
 supported thereon, the second reticulated wall extending
 to an outer frame; and,
 an air dam disposed in spaced apart relation to the
15 first reticulated wall.

2. The replendam of Claim 1, wherein the air dam is
 attached to the first reticulated wall and to the second
 reticulated wall.
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3. The replendam of Claim 2, wherein the air dam is
 attached to the first and second reticulated walls by a
 spring having a first leg attached to the first
 reticulated wall and having a second leg attached to the
25 second reticulated wall.

4. The replendam of Claim 1, wherein the first
 reticulated wall is round.
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5. The replendam of Claim 4, wherein the plurality of
 vanes extend from the perimeter of the first reticulated
 wall.
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6. The replendam of Claim 1, wherein the outer frame
 has a groove disposed on a first side.

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7. The replendam of Claim 6, wherein the groove is V-shaped.

10 8. The replendam of Claim 1, wherein the outer frame has a sealing edge disposed on the side opposite from the air dam.

15 9. A replendam, comprising:
a first reticulated wall having a perimeter;
a second reticulated wall disposed about at least a portion of the perimeter of the first reticulated wall, the second reticulated wall having a plurality of vanes supported thereon, the plurality of vanes extending from the perimeter of the first reticulated wall, the second
20 reticulated wall extending to an outer frame, the outer frame having a sealing edge disposed thereon; and,
an air dam disposed in spaced apart relation to the first reticulated wall and connected to the first and second reticulated walls.

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10. The replendam of Claim 9, wherein the first reticulated wall is round.

30 11. The replendam of Claim 9, wherein the air dam is connected to the first and second reticulated walls by a spring having a first leg attached to the first reticulated wall and having a second leg attached to the second reticulated wall.

35 12. The replendam of Claim 9, wherein the outer frame

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5 has a groove disposed on a first side.

13. A filter cartridge assembly, comprising:

a cover having a recessed portion with an opening at a first end covered by a reticulated wall, the

10 recessed portion capable of receiving filter media, the cover having a planar wall disposed adjacent to the recessed portion and a rim;

filter media disposed inside the recessed portion of the cover;

15 a cartridge body having side walls and a bottom wall with an opening defined therein;

a sorbent media bed disposed inside the cartridge body; and,

20 a replendam having a first reticulated wall having a perimeter, a second reticulated wall disposed about at least a portion of the perimeter of the first reticulated wall, the second reticulated wall having a plurality of vanes supported thereon, the second reticulated wall extending to an outer frame, and, an

25 air dam disposed in spaced apart relation to the first reticulated wall, the replendam disposed between the cover and the cartridge body such that the air dam engages with the filter media, the bottom of the replendam engages with the sorbent media bed, and the 30 replendam defines a plenum chamber between the filter media and the sorbent media bed.

14. The filter cartridge assembly of Claim 13, wherein the air dam is connected to the first reticulated wall 35 and to the second reticulated wall.

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15. The filter cartridge assembly of Claim 14, wherein
the air dam is connected by a spring having a first leg
attached to the first reticulated wall and having a
second leg attached to the second reticulated wall.

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16. The filter cartridge assembly of Claim 13, wherein
the first reticulated wall is round.

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17. The filter cartridge assembly of Claim 16, wherein
the plurality of vanes extend radially from the
perimeter of the first reticulated wall.

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18. The filter cartridge assembly of Claim 13, wherein
the outer frame has a groove disposed on a first side.

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19. The filter cartridge assembly of Claim 18, wherein
the groove is V-shaped.

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20. The filter cartridge assembly of Claim 19, wherein
the cover has a rib that engages with the groove on the
outer frame of the replendam.

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21. The filter cartridge assembly of Claim 1, wherein
the outer frame has a sealing edge.

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22. A single stage filter assembly, comprising:
a cover having a planar wall disposed adjacent to
an outer rim;
a retaining member including a reticulated wall
bordered by an outer frame, the retaining member having

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5 a plurality of springs disposed thereon;
 a cartridge body having side walls and a bottom
 wall with an opening defined therein; and,
 a sorbent media bed disposed inside the cartridge
body.

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23. The filter assembly of Claim 22, wherein the
springs are integrally formed in the retaining member.

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24. The filter assembly of Claim 22, wherein the cover
has an opening sized such that it can be covered by a
hand of a user.

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25. The filter assembly of Claim 22, wherein the
retaining member further comprises a plurality of vane-
like members for directing the air flow.

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